

SECTION 1: SUBSTANCE/MIXTURE IDENTIFICATION AND MANUFACTURER/SUPPLIER IDENTIFICATION

1.1. Product identification
ZINC ALU SPRAY

1.2. Relevant identified uses of the substance or mixture and uses advised against
Anticorrosive protection / paint.

1.3. Data of the safety data sheet supplier

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SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of substance or mixture

Classification according to Regulation (EC) no 1272/2008.



GHS02 flame
H222-H229

Aerosol 1 Extremely flammable aerosol. Pressurized container: may burst if heated.



GHS09 environment
Aquatic Chronic 2 H411

Aquatic Chronic 2 Toxic to aquatic life with long-lasting effects.



GHS07
Eye Irrit. 2 H319
STOT SE 3 H336

Eye Irrit. 2 Causes serious eye irritation.
STOT SE 3 May cause drowsiness or dizziness.

2.2. Label elements

Labeling according to Regulation (EC) no 1272/2008:
The product is classified and labelled according to CLP regulation.

Hazard pictograms:



Signal word: **Danger.**

Contains:
Acetone.
Reaction mass of ethylbenzene and xylene.

Risk index:
H222- H229 Extremely flammable aerosol. Pressurized container: may burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long-lasting effects.

Safety index:

| | |
|----------------|--|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P211 | Do not spray over open flame or other ignition source. |
| P251 | Do not pierce or burn, even after use. |
| P261 | Avoid breathing mist/vapours/spray. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P273 | Avoid release to the environment. |
| P280 | Wear eye protection/face protection. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. |
| P312 | Call a POISON CENTER/ doctor if you feel unwell. |
| P337+P313 | If eye irritation persists get medical advice/attention. |
| P403+P233 | Store in a well ventilated place. Keep container tightly closed. |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. |
| P501 | Dispose of content/container according to local / regional / national / international regulations. |

Additional data:

EUH 066 Repeated exposure may cause skin dryness or cracking.
 Formation of explosive mixtures is possible if there is insufficient ventilation.

2.3. Other hazards

PBT: Not applicable.
 vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

Product identification: Mixture.

| Chemical name: | Content (% m/m): | CAS: EC: Index: | Classification (1272/2008/EC): |
|--|-------------------------|--|--|
| acetone | 25 -<50% | CAS: 67-64-1 EINECS: 200-662-2 Reg. no.: 01-2119471330-49 | Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 |
| butane (1,3 Butadiene <0,1%) | 10-<25% | CAS: 106-97-8 EINECS: 203-448-7 Reg. no.: 01-2119474691-32 | Flam. Gas 1, H220; Press. Gas (Comp.), H280 |
| Propane | 10-<25% | CAS: 74-98-6 EINECS: 200-827-9 Reg. no.: 01-2119486944-21 | Flam. Gas 1, H220; Press. Gas (Comp.), H280 |
| reaction mass of ethylbenzene and xylene | 2.5-<10% | EC number: 905-588-0 Reg. no.: 01-2119488216-32 01-2119486136-34 | Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 |
| zinc powder - zinc dust (pyrophoric) | 2.5-<10% | CAS: 7440-66-6 EINECS: 231-175-3 Reg. no.: 01-2119467174-37 | Aquatic Acute 1, H400; Aquatic Chronic 1, H410 |
| isobutane | 2.5-<10% | CAS: 75-28-5 EINECS: 200-857-2 Reg. no.: 01-2119485395-27 | Flam. Gas 1, H220; Press. Gas (Comp.), H280 |
| magnesium alkyl derivatives | 1-<2,5% | CAS: 7429-90-5 EINECS: 231-072-3 | Flam. Sol. 1, H228 |
| ethylbenzene | 0.1-<1% | CAS: 100-41-4 EINECS: 202-849-4 Reg. no.: 01-2119489370-35 | Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332 |
| trizinc bis(orthophosphate) | ≥0.25-<1% | CAS: 7779-90-0 EINECS: 231-944-3 Reg. no.: 01-2119463881-32 | Aquatic Chronic 1, H410 |
| zinc oxide | ≥0.1-<0.25% | CAS: 1314-13-2 EINECS: 215-222-5 Reg. no.: 01-2119463881-32 | Aquatic Acute 1, H400; Aquatic Chronic 1, H410 |

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

After inhalation:
Supply fresh air, in case of ailments call a doctor.

After skin contact:
In general the product does not irritate skin.

After contact with eye:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After ingestion:
Do not induce vomiting and call a doctor.

4.2. Most important symptoms both acute and delayed

No further relevant data available.

4.3. Indications of any immediate medical attention and special treatment needed

No further relevant data available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Useful extinguishing media:
Water mist.
Chemical powder.
Carbon dioxide.
Foam resistant to alcohol.

Extinguishing media not suitable for safety reasons:
Full jet of water.

5.2. Special hazards arising from the substance or mixture

No further relevant data available.

5.3. Advice for firefighters

Special protective equipment:
Wear respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency measures

Wear protective clothing. Move unprotected persons to a safe place.

6.2. Environmental precautions

Do not allow the product to reach sewage system or water bodies.
In case of seepage into water bodies or sewage system, notify competent authorities.
Prevent the product from reaching drains / surface water / groundwater.

6.3. Methods and materials for containment and cleaning up

Ensure sufficient ventilation.
Do not wash with water or water-based cleaning agents.

6.4. Reference to other sections

Information on safe handling: see section 7.
Information on personal protective measures: see section 8.
Information on disposal: see section 13.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling

Ensure good ventilation / exhaustion at the workplace.

Advice on protection against fire and explosion:

Do not spray on flame or on incandescent objects.

Keep away ignition sources – do not smoke.

Take precautionary measures against static electricity.

Caution: The container is under pressure. Protect from sunlight and temperatures above 50°C.

Do not open violently or burn even after use.

7.2. Conditions for safe storage including any incompatibilities

Storage:

Requirements for storage areas and containers: Store in a cool place. Observe the provisions for storage of pressurized gas containers.

Advice on common storage:

Observe the provisions for storage of pressurized gas containers.

Other advice on storage conditions:

Store in well-closed barrels in a cool and dry place. Protect from heat and direct sunlight.

7.3. Special end use(s)

No further relevant data available.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

8.1. Control parameters

8.1.1. Occupational exposure limits

Components with controlled limit values depending on the workplace:

| | | |
|---------------------------------------|-----------------------------|------|
| 67-64-1 acetone | | |
| MPIC: 1800 mg/m ³ | MPC: 600 mg/m ³ | |
| 106-97-8 butane (1,3 Butadiene <0,1%) | | |
| MPIC: 3000 mg/m ³ | MPC: 1900 mg/m ³ | |
| 74-98-6 propane | | |
| MPIC: - | MPC: 1800 mg/m ³ | |
| 100-41-4 ethylbenzene | | |
| MPIC: 400 mg/m ³ | MPC: 200 mg/m ³ | skin |

8.1.2. DNEL and PNEC values

DNEL values:

| | | |
|--|-------------------------|-----------------------------------|
| 67-64-1 acetone | | |
| Oral | DNEL Long term-systemic | 62 mg/kg bw/day (Consumer) |
| Dermal | DNEL Long term-systemic | 62 mg/kg bw/day (Consumer) |
| Inhalation | DNEL Acute-local | 2420 mg/m ³ (Worker) |
| | DNEL Long term-systemic | 200 mg/m ³ (Consumer) |
| | | 1210 mg/m ³ (Worker) |
| Reaction mass of ethylbenzene and xylene | | |
| Oral | DNEL Long term-systemic | 1.6 mg/kg bw/day (Consumer) |
| Dermal | DNEL Long term-systemic | 108 mg/kg bw/day (Consumer) |
| | | 180 mg/kg bw/day (Worker) |
| Inhalation | DNEL Acute-local | 289 mg/m ³ (Worker) |
| DNEL | Long term-systemic | 14.8 mg/m ³ (Consumer) |
| | | 77 mg/m ³ (Worker) |
| 7440-66-6 zinc powder – zinc dust (pyrophoric) | | |
| Oral | DNEL Long term-systemic | 50 mg/kg bw/day (Worker) |
| Dermal | DNEL Long term-systemic | 5000 mg/kg bw/day (Consumer) |
| | | 5000 mg/kg bw/day (Worker) |
| Inhalation | DNEL Long term-systemic | 25 mg/m ³ (Consumer) |
| | | 5 mg/m ³ (Worker) |

PNEC Values:

| | | |
|--|----------------------------|------------------------------------|
| Acetone | | |
| | PNEC Marine water | 1.06 mg/l (Undefined) |
| | PNEC Freshwater sediment | 30.4 mg/l(dry weight) (Undefined) |
| | PNEC Soil | 29.5 (Undefined) |
| | PNEC Marine water sediment | 3.04 mg/l(dry weight) (Undefined) |
| Reaction mass of ethylbenzene and xylene | | |
| | PNEC Freshwater | 0.327 mg/l (Undefined) |
| | PNEC Marine water | 0.327 mg/l (Undefined) |
| | PNEC Freshwater sediment | 12.46 mg/l(dry weight) (Undefined) |

| | | |
|--------------------------------------|-----------------------------|------------------------------------|
| | PNEC Soil | 2.31 (Undefined) |
| | PNEC Sewage Treatment Plant | 6.58 mg/l (Undefined) |
| | PNEC Marine water sediment | 12.46 mg/l(dry weight) (Undefined) |
| zinc powder – zinc dust (pyrophoric) | | |
| | PNEC Freshwater | 20.6 mg/l (Undefined) |
| | PNEC Marine water | 6.1 mg/l (Undefined) |
| | PNEC Freshwater sediment | 118 mg/l(dry weight) (Undefined) |
| | PNEC Soil | 56.6 (Undefined) |
| | PNEC Sewage Treatment Plant | 52 mg/l (Undefined) |
| | PNEC Marine water sediment | 56.5 mg/l(dry weight) (Undefined) |

Additional information: Current lists were used as basis.

8.2. Exposure control

Personal protective equipment:

General measures of protection and hygiene:

Keep away from food, drink and feed. Take off immediately all contaminated clothing. Wash hands before breaks and at the end of work. Do not breathe gases / vapours / aerosols. Avoid eye contact. Avoid contact with eyes and skin.

Respiratory protection:

In case of insufficient ventilation use respiratory protection.

Filter A2/P2.

Hand protection:

Gloves for protection against chemicals in accordance with EN 374.



Protective gloves

Gloves resistant to solvents

The choice of material for protective gloves taking into account breakthrough times, penetration rates and degradation.

Material of gloves:

Selection of the right gloves does not only depend on the material, but also on other quality characteristics and varies from manufacturer to manufacturer. As the product is a preparation consisting of several substances, the resistance of the materials from which the gloves are made cannot be calculated in advance and must therefore be checked before use.

Nitrile rubber.

Recommended material thickness: ≥ 0,5 mm

Penetration time for the glove material:

For continuous contact, it is recommended to use gloves with a tensile strength of not less than 240 minutes, with priority penetration time over 480 minutes. For short-term exposure or protection against splash we recommend the same. We understand that gloves that offer this level of protection may not be in stock. In this case, gloves with a shorter period of time are allowed, as long as this is in accordance with the procedures that govern maintenance, and timely replacement must be observed.

The thickness of the glove is not a good measure of the resistance of gloves against chemicals, because it depends on the exact composition of the material from which the gloves are made. The exact breakthrough time should be obtained from the glove manufacturer and observed.

Eye protection:

Protective glasses (EN-166)



Tightly sealed protective glasses

Body protection:

Wear protective clothing (EN-13034/6).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|------------------|---------------------------|
| Physical state: | aerosol |
| Colour: | according to product name |
| Odour: | characteristic |
| Odour threshold: | not specified |

| | |
|--|---|
| pH value | not specified |
| Change of state | |
| Melting/freezing point: | not specified. |
| Initial boiling point and boiling range: | -44.5°C |
| Flash point: | -97°C |
| Flammability (solid, gas): | not applicable. |
| Combustion temperature: | 365°C |
| Autoignition point: | The product is not self igniting. |
| Explosive properties: | The product is not explosive, but explosive air / vapor mixtures are possible. Not specified |
| Explosion limits: | |
| Bottom: | 1.1 Vol % |
| Top: | 13 Vol % |
| Vapour pressure at 20°C: | 3800 hPa |
| Density at 20°C: | 0.733 g/cm ³ |
| Relative density: | not specified |
| Vapour density: | not specified |
| Evaporation rate: | not applicable. |
| Solubility in/ miscibility with: | |
| Water: | not miscible or difficult to mix. |
| n-octanol/water partition coefficient: | not specified |
| Viscosity: | |
| Dynamic: | not specified |
| Kinetic: | not specified |
| Solvent content: | |
| Organic solvents: | 88.0 % |
| Solids content: | 9.3 % |

9.2. Other information

No data.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant data available.

10.2. Chemical stability

Thermal decomposition / conditions to be avoided:
No decomposition if used as intended.

10.3. Possibility of hazardous reactions

Hazardous reactions unknown.

10.4. Conditions to be avoided

No further relevant data available.

10.5. Incompatible materials

No further relevant data available.

10.6. Hazardous decomposition products

Hazardous decomposition products unknown.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

a) Acute toxicity

Based on available data, the classification criteria are not met.

Relevant classified values LD/LC50:

| | | | |
|--|---------|-------------|-------|
| 67-64-1 acetone | | | |
| oral | LD50 | 5800 mg/kg | (rat) |
| dermal | LD50 | 7800 mg/kg | (rbt) |
| inhalation | LC50/4h | >20 mg/l | (rat) |
| Reaction mass of ethylbenzene and xylene | | | |
| oral | LD50 | 4300 mg/kg | (rat) |
| dermal | LD50 | 2000 mg/kg | (rbt) |
| 7440-66-6 zinc powder – zinc dust (pyrophoric) | | | |
| Ustne | LD50 | >2000 mg/kg | (rat) |
| Inhalation | LC50/4h | >5.4 mg/l | (rat) |
| 7779-90-0 trizinc bis(orthophosphate) | | | |
| oral | LD50 | 5000 mg/kg | (rat) |

Primary irritant effect: Effect Type Method:

Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation:

Causes eye irritation.

Respiratory or skin sensitization:

Based on available data, the classification criteria are not met.

Carcinogenicity, mutagenicity and harmful effect on reproduction (CMR)

Germ cells mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Harmful effect on reproduction:

Based on available data, the classification criteria are not met.

Toxic effect on target organs – single exposure:

May cause drowsiness or dizziness.

Toxic effect on target organs – repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity:

67-64-1 acetone

| | | |
|------|-----------|--------|
| EC50 | 8800 mg/l | (Dm) |
| | 8300 mg/l | (Fish) |

Reaction mass of ethylbenzene and xylene

| | | | |
|------|-------|---------------|-----------------------|
| NOEC | | 1.3 mg/l | (Fish) |
| NOEC | 7 day | 0.96 mg/l | (Dm) |
| NOEC | 72 h | 0.44 mg/l | (algae) |
| NOEC | 28 d | 16 mg/l | (Bacteria) |
| LC50 | 96 h | 8.9-16.4 mg/l | (Pimephales promelas) |
| EC50 | 48 h | 3.2-9.5 mg/l | (Dm) |

7440-66-6 zinc powder - zinc dust (pyrophoric)

| | | | |
|------|------|------------|-----------------------------------|
| EC50 | 48 h | 354 ug/l | (Daphnia Magna) |
| NOEC | 21 d | 178 ug/l | (Crustaceeen-Palaemon elegans) |
| NOEC | 72 h | 9 mg/l | (Ceratophyllum demersum) |
| | | 0.017 mg/l | (Pseudokirchneriella subcapitata) |
| NOEC | 72 h | 72.9 ug/l | (Pseudokirchneriella subcapitata) |
| NOEC | 4 w | 8.3 ug/l | (Cyprinus carpio) |
| EC10 | 21 d | 59.2 ug/l | (Dm) |
| EC10 | 72 h | 27.3 ug/l | (algae) |

| | | | |
|------|------|--------------|--------------------------------------|
| EC50 | 72 h | 0.17 mg/l | (<i>Selenastrum capricornatum</i>) |
| LC50 | 96 h | 0.41 mg/l | (<i>Oncorhynchus mykiss</i>) |
| EC50 | 48 h | 1 mg/l | (Dm) |
| EC50 | 96 h | 0.527 mg/l | (algae) |
| LC50 | 96 h | 238-269 ug/l | (<i>Pimephales promelas</i>) |

7779-90-0 trizinc bis(orthophosphate)

| | | | |
|---------|------|-----------|--------------------------------|
| LC50 | 96 h | 0.14 mg/l | (<i>Oncorhynchus mykiss</i>) |
| EC50 | 48 h | 2.34 mg/l | (Dm) |
| ErC(50) | 72 h | 0.14 mg/l | (Ds) |

12.2. Persistence and degradability

No further relevant data available.

12.3. Bioaccumulative potential

No further relevant data available.

12.4. Mobility in soil

No further relevant data available.

Ecotoxic effects:

Note: Toxic for fish.

Further ecological advice:

General information:

Water hazard class 2 (self-assessment): hazardous for water.

Prevent the product from entering ground water, surface water and sewage system.

Danger to drinking water if even small quantities of the product leak into the ground.

Poisonous also for fish and plankton in water bodies.

Toxic for aquatic organisms.

12.5. Results of PBT and vPvB assessment

PBT: not applicable.

vPvB: not applicable.

12.6. Other hazardous effects

No further relevant data available.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Product**

Recommendation:

Must not be disposed together with household garbage. Prevent the product from entering the sewage system.

European Waste Catalogue

HP3 Flammable.

HP4 Irritation – irritating effect on skin and eye damage.

HP5 Toxic effect on target organs (STOT) or aspiration hazard.

HP14 Ecotoxic.

Uncleaned packaging:

Recommendation: Disposal according to current regulations.

SECTION 14: TRANSPORT INFORMATION**14.1. UN number**

ADR, ADN, IMDG, IATA UN1950

14.2. UN proper shipping name

ADR, ADN UN1950 AEROSOLS
 IMDG AEROSOLS (zinc powder -zinc dust (stabilized), trizinc bis(orthophosphate)),
 MARINE POLLUTANT
 IATA AEROSOLS, flammable

14.3. Transport hazard class (-es)

ADR

Class 2.5F gases

Label 2.1

ADN
Class ADN/R: 2 5F

IMDG
Class 2.1
Label 2.1

IATA
Class 2.1
Label 2.1

14.4. Packaging group

ADR, IMDG, IATA none

14.5. Environmental hazard

The product contains environmentally hazardous materials:
zinc powder - zinc dust (pyrophoric)
Marine pollutant: Yes
Symbol (fish and tree)

Special labeling (ADR): Symbol (fish and tree)

14.6. Special precautions for user

Attention: gases

Kemler Code: -

EMS number: F-D,S-U

Stowage Code SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

Segregation Code SG69 For AEROSOLS with a maximum capacity of 1 litre:
Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.
For AEROSOLS with a capacity above 1 litre:
Segregation as for the appropriate subdivision of class 2.
For WASTE AEROSOLS:
Segregation as for the appropriate subdivision of class 2.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 Convention and the IBC Code

Not applicable.

Transport/ further information:

ADR
Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity
Tunnel restriction code D

IMDG
Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity
UN "Model Regulation": UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations / legislations specific for the substance or mixture

Directive 2012/18/EU of the European Parliament and of the Council

· Indicated hazardous substances - ANNEX I none of the components on the list

· Seveso Category

P3a AEROSOLS FLAMMABLE

E2 Hazardous for aquatic environment

· Threshold quantities (in tonnes) related to the application of requirements for plants of increased risk 150 t

- Threshold quantities (in tonnes) related to the application of requirements for plants of high risk 500 t
- Regulation (EC) no 1907/2006 ANNEX XVII Restriction conditions: 3
- National regulations:

Class share %

NK 75-<100

- VOC-CH 88,02 %
- VOC-EU 645,2 g/l
- Danish MAL Code 4-3

15.2. Chemical safety assessment

Chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The data is based on our current state of knowledge, but it does not definitively determine the production properties and cannot be the basis for valid contracts.

Relevant phrases:

| | |
|------|--|
| H220 | Extremely flammable gas. |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H228 | Flammable solid. |
| H280 | Contains pressurized gas; may burst if heated. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H319 | Causes eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Toxic to aquatic life with long-lasting effects. |

Abbreviations and acronyms:

| | |
|--------------------|--|
| RID | Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) |
| ICAO | International Civil Aviation Organisation |
| ADR | Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) |
| IMDG | International Maritime Code for Dangerous Goods |
| IATA | International Air Transport Association |
| GHS | Globally Harmonised System of Classification and Labelling of Chemicals |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |
| CAS | Chemical Abstracts Service (division of the American Chemical Society) |
| MAL-Code | Maleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark) |
| DNEL | Derived No-Effect Level (REACH) |
| PNEC | Predicted No-Effect Concentration (REACH) |
| LC50 | Lethal concentration, 50 percent |
| LD50 | Lethal dose, 50 percent |
| PBT | Persistent, Bioaccumulative and Toxic |
| vPvB | very Persistent and very Bioaccumulative |
| Flam. Gas 1 | Flammable gases – Category 1 |
| Aerosol 1 | Aerosols – Category 1 |
| Press. Gas (Comp.) | Pressurized gases – Compressed gas |
| Flam. Liq. 2 | Flammable liquids – Category 2 |
| Flam. Liq. 3 | Flammable liquids – Category 3 |
| Flam. Sol. 1 | Flammable solids – Category 1 |
| Acute Tox. 4 | Acute toxicity – Category 4 |
| Skin Irrit. 2 | Skin corrosion/irritation – Category 2 |
| Eye Irrit. 2 | Serious eye damage/eye irritation – Category 2 |
| STOT SE 3 | Toxic effect on target organs (single exposure) – Category 3 |
| STOT RE 2 | Toxic effect on target organs (repeated exposure) – Category 2 |
| Asp. Tox. 1 | Aspiration hazard – Category 1 |
| Aquatic Acute 1 | Hazardous to the aquatic environment – acute hazard for the aquatic environment – Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment – long-term hazard for the aquatic environment – Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – long-term hazard for the aquatic environment – Category 2 |